

## RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.

Application Serial Number: 10/551,819  
Source: IFND  
Date Processed by STIC: 2/23/07

# ***ENTERED***

## CRF Errors Edited by the STIC Systems Branch

Serial Number: 10/551,819

CRF Edit Date: 2/23/07  
Edited by:   *mw*  

\_\_\_ Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

\_\_\_ Corrected the SEQ ID NO. Sequence numbers edited were:

\_\_\_\_\_

\_\_\_ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

\_\_\_\_\_

\_\_\_ Deleted: \_\_\_ invalid beginning/end-of-file text ; \_\_\_ page numbers

\_\_\_ Inserted mandatory headings/numeric identifiers, specifically:

\_\_\_\_\_

\_\_\_ Moved responses to same line as heading/numeric identifier, specifically:

\_\_\_\_\_

  *J*   Other: deleted extra 41107

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



IFWP

## RAW SEQUENCE LISTING

DATE: 02/23/2007

PATENT APPLICATION: US/10/551,819

TIME: 16:26:58

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\02232007\J551819.raw

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5 <110> APPLICANT: LABORATOIRE FRANCAIS DU FRACTIONNEMENT ET DES
6      BIOTECHNOLOGIES (LFB)
8      INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE
9      (INSERM)
11 <120> TITLE OF INVENTION: THERAPEUTIC PRODUCTS WITH ENHANCED ABILITY TO IMMUNOMODULATE
CELL
12      FUNCTIONS
14 <130> FILE REFERENCE: D21018
C--> 16 <140> CURRENT APPLICATION NUMBER: US/10/551,819
C--> 16 <141> CURRENT FILING DATE: 2005-09-30
16 <150> PRIOR APPLICATION NUMBER: EP 03/290 834
17 <151> PRIOR FILING DATE: 2003-04-03
19 <160> NUMBER OF SEQ ID NOS: 6
21 <170> SOFTWARE: PatentIn version 3.2
23 <210> SEQ ID NO: 1
24 <211> LENGTH: 21
25 <212> TYPE: DNA
26 <213> ORGANISM: artificial
28 <220> FEATURE:
29 <223> OTHER INFORMATION: Amplimer sense
31 <400> SEQUENCE: 1
32 gcagctcccc caaaggctgt g                                21
35 <210> SEQ ID NO: 2
36 <211> LENGTH: 21
37 <212> TYPE: DNA
38 <213> ORGANISM: artificial
40 <220> FEATURE:
41 <223> OTHER INFORMATION: Amplimer antisense
43 <400> SEQUENCE: 2
44 ttggacagtg atggtcacag g                                21
47 <210> SEQ ID NO: 3
48 <211> LENGTH: 33
49 <212> TYPE: DNA
50 <213> ORGANISM: artificial
52 <220> FEATURE:
53 <223> OTHER INFORMATION: Amplimer sense
55 <400> SEQUENCE: 3
56 tggatgaatt ccctattaag tgatggtgat gtt                    33
59 <210> SEQ ID NO: 4
60 <211> LENGTH: 23
61 <212> TYPE: DNA
62 <213> ORGANISM: artificial
64 <220> FEATURE:
65 <223> OTHER INFORMATION: Amplimer antisense

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## RAW SEQUENCE LISTING

DATE: 02/23/2007

PATENT APPLICATION: US/10/551,819

TIME: 16:26:58

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\02232007\J551819.raw

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67 <400> SEQUENCE: 4
68 atcggatccc gactgaagat ctc
71 <210> SEQ ID NO: 5
72 <211> LENGTH: 990
73 <212> TYPE: DNA
74 <213> ORGANISM: human
76 <220> FEATURE:
77 <223> OTHER INFORMATION: Constant region of the heavy chain of LFB1/LFB2
78 antibody.
80 <400> SEQUENCE: 5
81 gcctccacca agggcccatc ggtcttcccc ctggcaccct cctccaagag cacctctggg 60
82 ggcacagcgg ccctgggctg cctggtcaag gactacttcc ccgaaccggt gacggtgtcg 120
83 tggaactcag gcgccctgac cagcggcgtg cacaccttcc cggctgtcct acagtcctca 180
84 ggactctact ccctcagcag cgtggtgacc gtgccctcca gcagcttggg caccagacc 240
85 tacatctgca acgtgaatca caagcccagc aacaccaagg tggacaagaa agttgagccc 300
86 aaatcttggt acaaaaactca cacatgcccc cegtgccag cacctgaact cctgggggga 360
87 ccgtcagtct tcctcttccc cccaaaaccc aaggacaccc tcatgatctc ccggaccct 420
88 gaggtcacat gcgtgggtgg ggacgtgagc cacgaagacc ctgaggtcaa gttcaactgg 480
89 tacgtggacg gcgtggaggt gcataatgcc aagacaaagc cgcgggagga gcagtacaac 540
90 agcacgtacc gtgtggtcag cgtcctcacc gtcctgcacc aggactggct gaatggcaag 600
91 gagtacaagt gcaaggtctc caacaaagcc ctcccagccc ccatcgagaa aacctctcc 660
92 aaagccaaag ggcagccccg agaaccacag gtgtacaccc tgcccccatc ccgggatgag 720
93 ctgaccaaga accaggtcag cctgacctgc ctggtcaaag gcttctatcc cagcgacatc 780
94 gccgtggagt gggagagcaa tgggcagccg gagaacaact acaagaccac gcctcccgtg 840
95 ctggactccg acggtcctt ctctctctac agcaagctca ccgtggacaa gagcaggtgg 900
96 cagcagggga acgtcttctc atgtccgtg atgcatgagg ctctgcacaa ccactacacg 960
97 cagaagagcc tctccctgtc tccgggtaaa 990
100 <210> SEQ ID NO: 6
101 <211> LENGTH: 990
102 <212> TYPE: DNA
103 <213> ORGANISM: human
105 <220> FEATURE:
106 <223> OTHER INFORMATION: Constant region of the heavy chain of LFB3
107 antibody.
109 <400> SEQUENCE: 6
110 gcctccacca agggcccatc ggtcttcccc ctggcaccct cctccaagag cacctctggg 60
111 ggcacagcgg ccctgggctg cctggtcaag gactacttcc ccgaaccggt gacggtgtcg 120
112 tggaactcag gcgccctgac cagcggcgtg cacaccttcc cggctgtcct acagtcctca 180
113 ggactctact ccctcagcag cgtggtgacc gtgccctcca gcagcttggg caccagacc 240
114 tacatctgca acgtgaatca caagcccagc aacaccaagg tggacaagag agttgagccc 300
115 aaatcttggt acaaaaactca cacatgcccc cegtgccag cacctgaact cctgggggga 360
116 ccgtcagtct tcctcttccc cccaaaaccc aaggacaccc tcatgatctc ccggaccct 420
117 gaggtcacat gcgtgggtgg ggacgtgagc cacgaagacc ctgaggtcaa gttcaactgg 480
118 tacgtggacg gcgtggaggt gcataatgcc aagacaaagc cgcgggagga gcagtacaac 540
119 agcacgtacc gtgtggtcag cgtcctcacc gtcctgcacc aggactggct gaatggcaag 600
120 gagtacaagt gcaaggtctc caacaaagcc ctcccagccc ccatcgagaa aacctctcc 660
121 aaagccaaag ggcagccccg agaaccacag gtgtacaccc tgcccccatc ccgggaggag 720
122 atgaccaaga accaggtcag cctgacctgc ctggtcaaag gcttctatcc cagcgacatc 780
123 gccgtggagt gggagagcaa tgggcagccg gagaacaact acaagaccac gcctcccgtg 840

```

## RAW SEQUENCE LISTING

DATE: 02/23/2007

PATENT APPLICATION: US/10/551,819

TIME: 16:26:58

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\02232007\J551819.raw

```
124 ctggactccg acggctcctt cttcctctat agcaagctca ccgtggacaa gagcaggtgg 900
125 cagcagggga acgtcttctc atgctccgtg atgcatgagg ctctgcacaa ccactacacg 960
126 cagaagagcc tctccctgtc cccgggtaaa 990
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RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/551,819

DATE: 02/23/2007  
TIME: 16:26:59

Input Set : A:\PTO.AMC.txt  
Output Set: N:\CRF4\02232007\J551819.raw

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,  
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/551,819

DATE: 02/23/2007

TIME: 16:26:59

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\02232007\J551819.raw

L:16 M:270 C: Current Application Number differs, Replaced Current Application No

L:16 M:271 C: Current Filing Date differs, Replaced Current Filing Date

**Raw Sequence Listing before editing  
(for reference only)**





IFWP

## RAW SEQUENCE LISTING

DATE: 02/21/2007

PATENT APPLICATION: US/10/551,819

TIME: 14:06:59

Input Set : A:\065691-0408sequence.txt

Output Set: N:\CRF4\02212007\J551819.raw

*delete extra  
4/107*

5 <110> APPLICANT: LABORATOIRE FRANCAIS DU FRACTIONNEMENT ET DES  
6 BIOTECHNOLOGIES (LFB)  
W--> 8 <110> APPLICANT: INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE  
W--> 9 (INSERM)  
11 <120> TITLE OF INVENTION: THERAPEUTIC PRODUCTS WITH ENHANCED ABILITY TO IMMUNOMODULATE  
CELL  
12 FUNCTIONS  
14 <130> FILE REFERENCE: D21018  
C--> 16 <140> CURRENT APPLICATION NUMBER: US/10/551,819  
C--> 16 <141> CURRENT FILING DATE: 2005-09-30  
16 <150> PRIOR APPLICATION NUMBER: EP 03/290 834  
17 <151> PRIOR FILING DATE: 2003-04-03  
19 <160> NUMBER OF SEQ ID NOS: 6  
21 <170> SOFTWARE: PatentIn version 3.2  
23 <210> SEQ ID NO: 1  
24 <211> LENGTH: 21  
25 <212> TYPE: DNA  
26 <213> ORGANISM: artificial  
28 <220> FEATURE:  
29 <223> OTHER INFORMATION: Amplimer sense  
31 <400> SEQUENCE: 1  
32 gcagctcccc caaaggctgt g 21  
35 <210> SEQ ID NO: 2  
36 <211> LENGTH: 21  
37 <212> TYPE: DNA  
38 <213> ORGANISM: artificial  
40 <220> FEATURE:  
41 <223> OTHER INFORMATION: Amplimer antisense  
43 <400> SEQUENCE: 2  
44 ttggacagtg atggtcacag g 21  
47 <210> SEQ ID NO: 3  
48 <211> LENGTH: 33  
49 <212> TYPE: DNA  
50 <213> ORGANISM: artificial  
52 <220> FEATURE:  
53 <223> OTHER INFORMATION: Amplimer sense  
55 <400> SEQUENCE: 3  
56 tggatgaatt ccctattaag tgatggtgat gtt 33  
59 <210> SEQ ID NO: 4  
60 <211> LENGTH: 23  
61 <212> TYPE: DNA  
62 <213> ORGANISM: artificial  
64 <220> FEATURE:  
65 <223> OTHER INFORMATION: Amplimer antisense

**Does Not Comply  
Corrected Diskette Needed**

## RAW SEQUENCE LISTING

DATE: 02/21/2007

PATENT APPLICATION: US/10/551,819

TIME: 14:06:59

Input Set : A:\065691-0408sequence.txt

Output Set: N:\CRF4\02212007\J551819.raw

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67 <400> SEQUENCE: 4
68 atcgatccc gactgaagat ctc
71 <210> SEQ ID NO: 5
72 <211> LENGTH: 990
73 <212> TYPE: DNA
74 <213> ORGANISM: human
76 <220> FEATURE:
77 <223> OTHER INFORMATION: Constant region of the heavy chain of LFB1/LFB2
78     antibody.
80 <400> SEQUENCE: 5
81 gcctccacca agggcccac cgtcttcccc ctggcaccct cctccaagag cacctctggg 60
82 ggcacagcgg ccttgggctg cctgggtcaag gactacttcc ccgaaccggg gacgggtgtcg 120
83 tggaactcag gcgccctgac cagcggcgctg cacaccttcc cggctgtcct acagtccctca 180
84 ggactctact ccctcagcag cgtgggtgacc gtgccctcca gcagcttggg caccagacc 240
85 tacatctgca acgtgaatca caagcccagc aacaccaagg tggacaagaa agttgagccc 300
86 aaatcttgtg acaaaaactca cacatgccc cctgcccag cacctgaact cctgggggga 360
87 ccgtcagtct tctcttccc cccaaaaccc aaggacaccc tcatgatctc ccggaccct 420
88 gaggtcacat gcgtgggtgt ggacgtgagc cacgaagacc ctgaggtcaa gttcaactgg 480
89 tacgtggacg gcgtggaggt gcataatgcc aagacaaagc cgcgggagga gcagtacaac 540
90 agcacgtacc gtgtgggtcag cgtcctcacc gtctgcacc aggactggct gaatggcaag 600
91 gagtacaagt gcaaggtctc caacaaagcc ctcccagccc ccatcgagaa aaccatctcc 660
92 aaagccaaag ggcagccccg agaaccacag gtgtacaccc tgcccccatc ccgggatgag 720
93 ctgaccaaga accaggtcag cctgacctgc ctgggtcaaag gcttctatcc cagcgacatc 780
94 gccgtggagt gggagagcaa tgggcagccg gagaacaact acaagaccac gcctcccgtg 840
95 ctggactccg accgctcctt ctctctctac agcaagctca ccgtggacaa gagcaggtgg 900
96 cagcagggga acgtcttctc atgctcctgt atgcatgagg ctctgcacaa ccactacacg 960
97 cagaagagcc tctcctgtc tccgggtaaa
990
100 <210> SEQ ID NO: 6
101 <211> LENGTH: 990
102 <212> TYPE: DNA
103 <213> ORGANISM: human
105 <220> FEATURE:
106 <223> OTHER INFORMATION: Constant region of the heavy chain of LFB3
107     antibody.
109 <400> SEQUENCE: 6
110 gcctccacca agggcccac cgtcttcccc ctggcaccct cctccaagag cacctctggg 60
111 ggcacagcgg ccttgggctg cctgggtcaag gactacttcc ccgaaccggg gacgggtgtcg 120
112 tggaactcag gcgccctgac cagcggcgctg cacaccttcc cggctgtcct acagtccctca 180
113 ggactctact ccctcagcag cgtgggtgacc gtgccctcca gcagcttggg caccagacc 240
114 tacatctgca acgtgaatca caagcccagc aacaccaagg tggacaagag agttgagccc 300
115 aaatcttgtg acaaaaactca cacatgccc cctgcccag cacctgaact cctgggggga 360
116 ccgtcagtct tctcttccc cccaaaaccc aaggacaccc tcatgatctc ccggaccct 420
117 gaggtcacat gcgtgggtgt ggacgtgagc cacgaagacc ctgaggtcaa gttcaactgg 480
118 tacgtggacg gcgtggaggt gcataatgcc aagacaaagc cgcgggagga gcagtacaac 540
119 agcacgtacc gtgtgggtcag cgtcctcacc gtctgcacc aggactggct gaatggcaag 600
120 gagtacaagt gcaaggtctc caacaaagcc ctcccagccc ccatcgagaa aaccatctcc 660
121 aaagccaaag ggcagccccg agaaccacag gtgtacaccc tgcccccatc ccgggaggag 720
122 atgaccaaga accaggtcag cctgacctgc ctgggtcaaag gcttctatcc cagcgacatc 780
123 gccgtggagt gggagagcaa tgggcagccg gagaacaact acaagaccac gcctcccgtg 840

```

## RAW SEQUENCE LISTING

DATE: 02/21/2007

PATENT APPLICATION: US/10/551,819

TIME: 14:06:59

Input Set : A:\065691-0408sequence.txt

Output Set: N:\CRF4\02212007\J551819.raw

```
124 ctggactccg acggctcctt cttcctctat agcaagctca ccgtggacaa gagcaggtgg 900
125 cagcagggga acgtcttctc atgctccgtg atgcatgagg ctctgcacaa ccactacacg 960
126 cagaagagcc tctccctgtc cccgggtaaa 990
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RAW SEQUENCE LISTING ERROR SUMMARY      DATE: 02/21/2007  
PATENT APPLICATION:    US/10/551,819      TIME: 14:07:00

Input Set : A:\065691-0408sequence.txt  
Output Set: N:\CRF4\02212007\J551819.raw

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,  
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4

**VERIFICATION SUMMARY**

DATE: 02/21/2007

PATENT APPLICATION: US/10/551,819

TIME: 14:07:00

Input Set : A:\065691-0408sequence.txt

Output Set: N:\CRF4\02212007\J551819.raw

L:8 M:280 W: Numeric Identifier already exists, <110> found multiple times  
L:16 M:270 C: Current Application Number differs, Replaced Current Application No  
L:16 M:271 C: Current Filing Date differs, Replaced Current Filing Date